



Cotton/Soybean Insect Newsletter

Volume 14, Issue #1

Edisto Research & Education Center in Blackville, SC

8 May 2019

Pest Patrol Alerts

The information contained herein each week is available via text alerts that direct users to online recordings. I will update the short message weekly for at least as long as the newsletter runs. After a new message is posted, a text message is sent to alert users that I have recorded a new update. Users can subscribe for text message alerts for my updates in two easy steps. Step one: register by texting **pestpat7** to 97063. Step two: reply to the confirmation text you receive by texting the letter "y" to complete your registration. Pest Patrol Alerts are sponsored by Syngenta.

Updates on Twitter

When noteworthy events happen in the field, I will be sending them out quickly via Twitter. If you want to follow those quick updates, follow me at @bugdocisin on Twitter.



News from Around the State

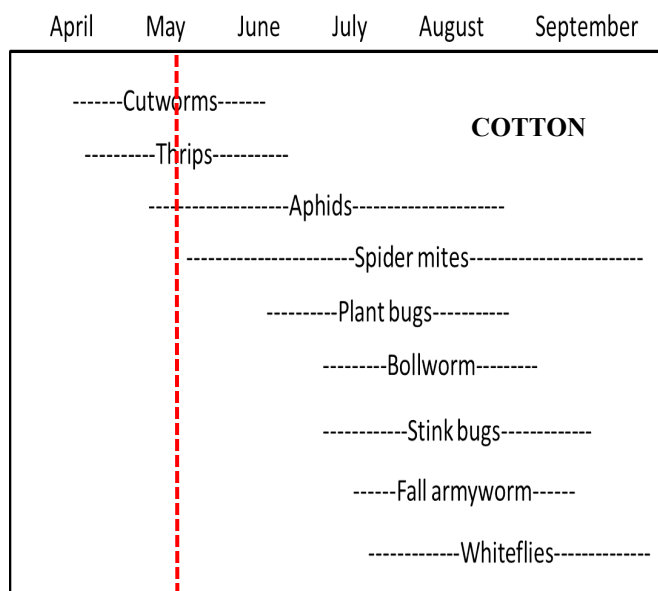
Charles Davis, county agent covering Calhoun and Richland Counties, reported that "most of my cotton went in last week so it is just peeking out of the ground. Nothing to report this week but should have something for you next week."

Cotton Situation

As of 5 May 2019, the USDA NASS South Carolina Statistical Office estimated that about 22% of the crop has been planted, compared with 5% the previous week, 11% at this time last year, and 21% for the 5-year average. The condition of the crop has yet to be described by the office (--% excellent, --% good, --% fair, --% poor, and --% very poor), but it will be soon. These are observed/perceived state-wide averages.

Cotton Insects

Thrips and cutworms are the main concerns for seedling cotton emerging now, but I am sure we will get reports of burrower bugs or some other species that shows up on young cotton. Keep a watchful eye out for establishing stands and potential problems with insects. Pay attention to early infestations of aphids this season, as we will be monitoring for Blue disease transmitted by cotton aphid.



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Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



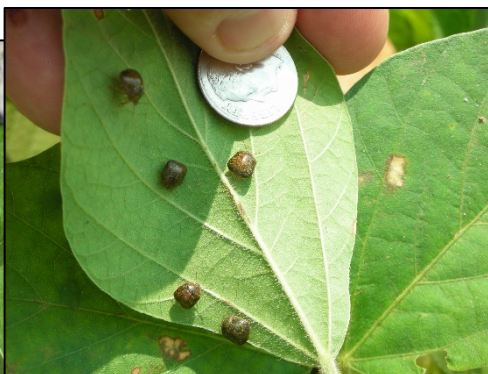
Soybean Situation

As of 5 May 2019, the USDA NASS South Carolina Statistical Office estimated that about 4% of the crop has been planted, compared with 2% the previous week, 3% at this time last year, and 5% for the 5-year average. The condition of the crop has yet to be described by the office (--% excellent, --% good, --% fair, --% poor, and --% very poor), but it will be soon. These are observed/perceived state-wide averages.

Soybean Insects

I have some soybeans up that were planted in mid-April, but I have not observed any problem insects as of yet. Because much of the soybean crop is still in seed bags, we will not have much to report for early season pests, but watch the young crop for grasshoppers and stem feeders such as the kudzu bug and the threecornered alfalfa hopper.

April	May	June	July	August	September	October
SOYBEAN						
-----Threecornered alfalfa hopper-----						
-----Grasshoppers, other misc. defoliators-----						
				-----Tobacco budworm-----		
				-----Corn earworm-----		
-----Kudzu bugs-----						
				-----Green cloverworm-----		
				-----Soybean looper-----		
				-----Stink bugs-----		
					-----Velvetbean caterpillar-----	



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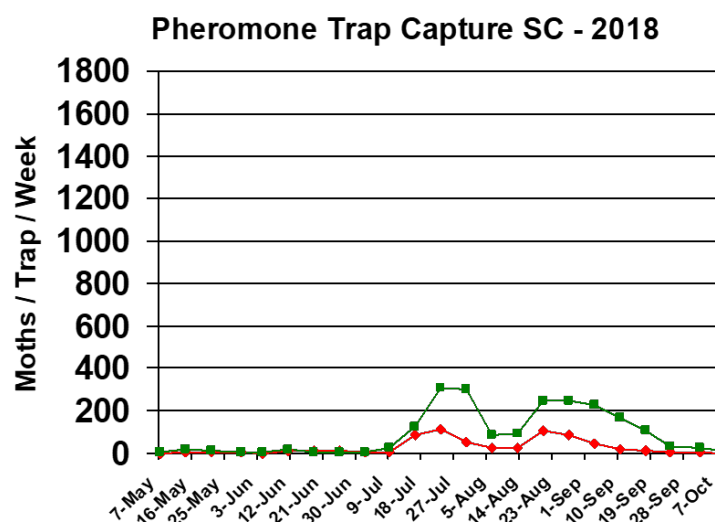
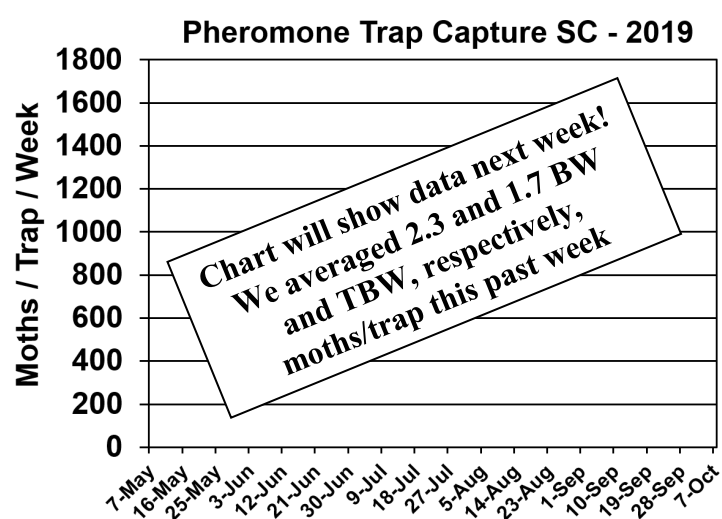
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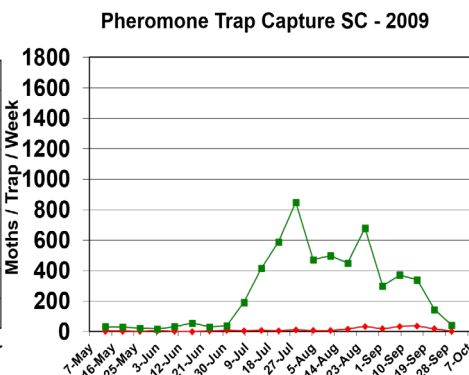
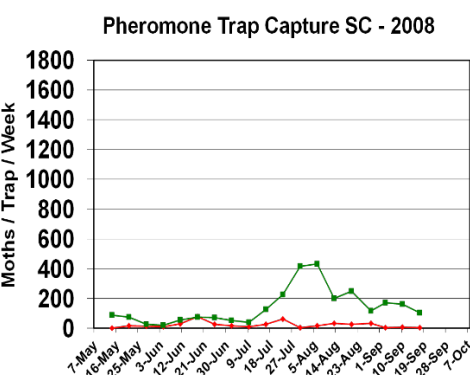
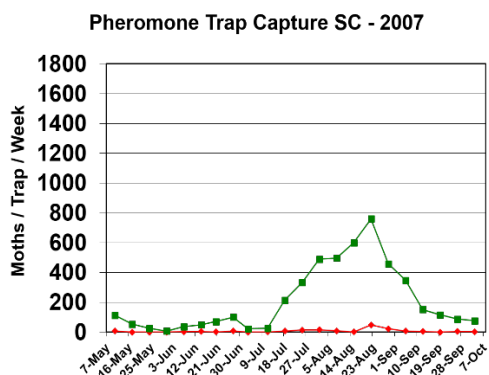
Bollworm & Tobacco Budworm



Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC this season are shown below, as are the captures from 2018 for reference. Tobacco budworm continues to be important for our soybean acres and for any acres of non-Bt cotton. I provide these data as a measure of moth presence and activity in our local area near my research plots. The numbers are not necessarily representative of the species throughout the state.



Trap data from 2007-2017 are shown below for reference to other years of trapping data from EREC:



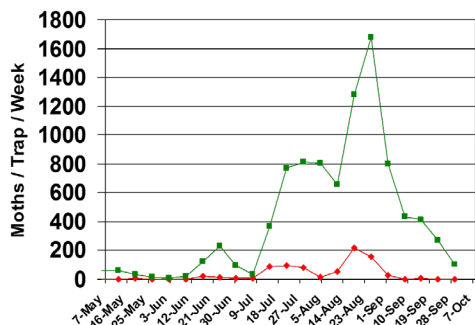
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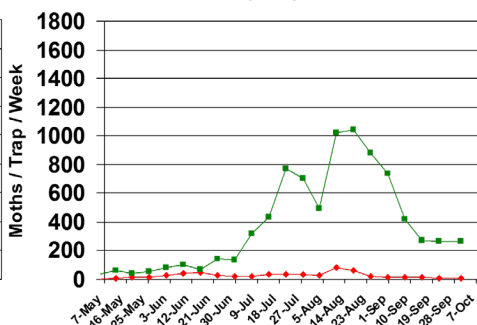
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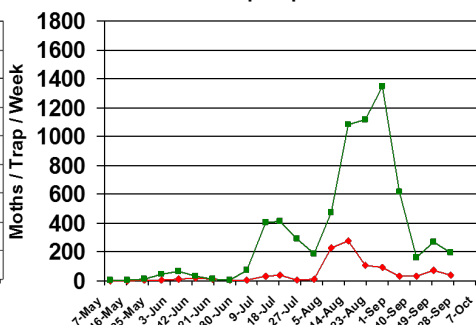
Pheromone Trap Capture SC - 2010



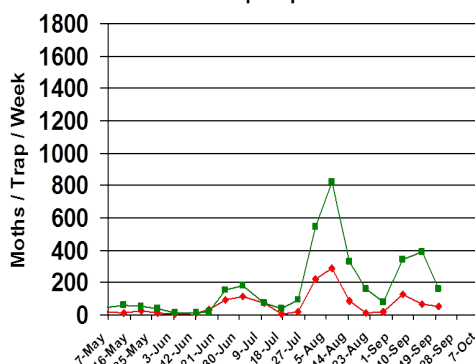
Pheromone Trap Capture SC - 2011



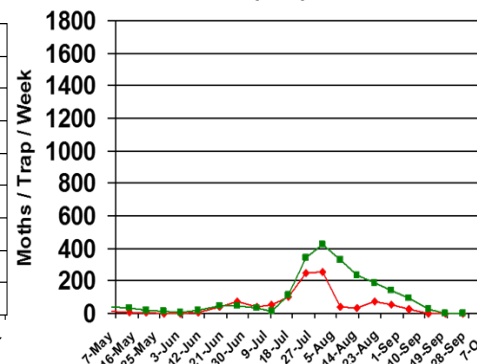
Pheromone Trap Capture SC - 2012



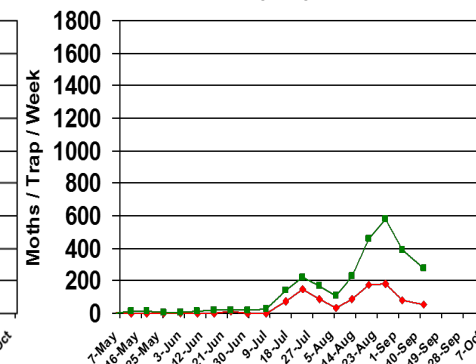
Pheromone Trap Capture SC - 2013



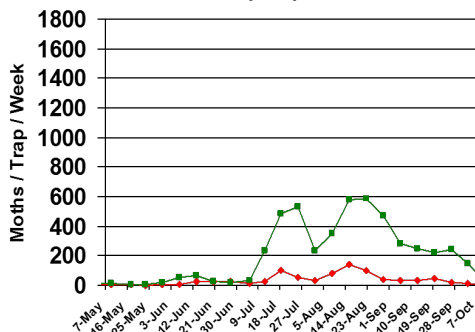
Pheromone Trap Capture SC - 2014



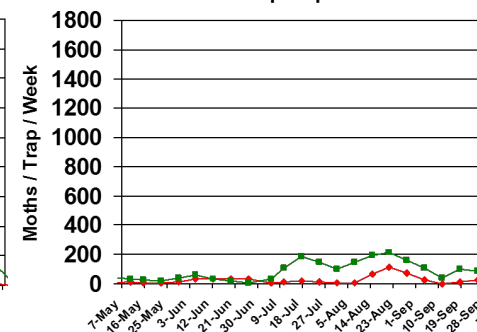
Pheromone Trap Capture SC - 2015



Pheromone Trap Capture SC - 2016



Pheromone Trap Capture SC - 2017



Pest Management Handbook – 2019

Insect control recommendations are available online in the 2019 South Carolina Pest Management Handbook at:

<https://www.clemson.edu/extension/agronomy/pest%20management%20handbook.html>

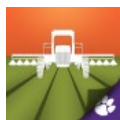
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Free Mobile Apps: “Calibrate My Sprayer” and “Mix My Sprayer”



Download our free mobile apps called “Calibrate My Sprayer” and “Mix My Sprayer” that help check for proper calibration of spraying equipment and help you with mixing user-defined pesticides, respectively, in custom units (available in both iOS and Android formats):

<http://www.clemson.edu/extension/mobile-apps/>

Need More Information?

For more Clemson University Extension information: <http://www.clemson.edu/extension/>

For historical cotton/soybean insect newsletters:

<https://www.clemson.edu/extension/agronomy/cotton1/newsletters.html>

Sincerely,

Jeremy K. Greene, Ph.D.
Professor of Entomology



Visit our website at:
<http://www.clemson.edu>

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